Mim

OPE 03 CO

Serial Number: 10/005,675   **ENTERED**   CRF Processing Date: 12/29/2001
Edited by:
Verified by: _____ (STIC stal

#4

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☑ Other: _deleted duplicate "Sequence Listing" at beginning of page 1_
_____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/005,675

DATE: 12/20/2001
TIME: 20:57:11

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\12202001\J005675.raw**

SEQUENCE LISTING

4	(1) GENERAL INFORMATION:
6	(i) APPLICANT: Shak, Steven
8	(ii) TITLE OF INVENTION: Anti-Infective Therapy
10	(iii) NUMBER OF SEQUENCES: 25
12	(iv) CORRESPONDENCE ADDRESS:
13	(A) ADDRESSEE: Genentech, Inc.
14	(B) STREET: 1 DNA Way
15	(C) CITY: South San Francisco
16	(D) STATE: California
17	(E) COUNTRY: USA
18	(F) ZIP: 94080
20	(v) COMPUTER READABLE FORM:
21	(A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
22	(B) COMPUTER: IBM PC compatible
23	(C) OPERATING SYSTEM: PC-DOS/MS-DOS
24	(D) SOFTWARE: WinPatin (Genentech)
26	(vi) CURRENT APPLICATION DATA:
C--> 27	(A) **APPLICATION NUMBER: US/10/005,675**
C--> 28	(B) **FILING DATE: 07-Nov-2001**
29	(C) CLASSIFICATION:
59	(vii) PRIOR APPLICATION DATA:
32	(A) APPLICATION NUMBER: 09/669306
33	(B) FILING DATE: 25-Sep-2001
36	(A) APPLICATION NUMBER: 08/873506
37	(B) FILING DATE: 08-Dec-1999
40	(A) APPLICATION NUMBER: 08/643195
41	(B) FILING DATE: 06-May-1996
44	(A) APPLICATION NUMBER: 08/459909
45	(B) FILING DATE: 02-Jun-1995
48	(A) APPLICATION NUMBER: 08/191749
49	(B) FILING DATE: 03-Feb-1994
52	(A) APPLICATION NUMBER: 07/914,226
53	(B) FILING DATE: 13-Jul-1992
56	(A) APPLICATION NUMBER: 07/448038
57	(B) FILING DATE: 08-Dec-1989
60	(A) APPLICATION NUMBER: 07/289958
61	(B) FILING DATE: 23-Dec-1988
63	(viii) ATTORNEY/AGENT INFORMATION:
64	(A) NAME: Johnston, Sean A.
65	(B) REGISTRATION NUMBER: 35,910
66	(C) REFERENCE/DOCKET NUMBER: P0530P1C10
68	(ix) TELECOMMUNICATION INFORMATION:
69	(A) TELEPHONE: 650/225-3562
70	(B) TELEFAX: 650/952-9881
71	(2) INFORMATION FOR SEQ ID NO: 1:
73	(i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING   DATE: 12/20/2001
PATENT APPLICATION: US/10/005,675   TIME: 20:57:11

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\12202001\J005675.raw

```
74              (A) LENGTH: 51 base pairs
75              (B) TYPE: Nucleic Acid
76              (C) STRANDEDNESS: Single
77              (D) TOPOLOGY: Linear
79      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
82 GTGCTGGACA CCTACCAGTA TGATGATGGC TGTGAGTCCT GTGGCAATGA 50
84 C 51
86 (2) INFORMATION FOR SEQ ID NO: 2:
88      (i) SEQUENCE CHARACTERISTICS:
89              (A) LENGTH: 17 amino acids
90              (B) TYPE: Amino Acid
91              (D) TOPOLOGY: Linear
93      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
95 Val Leu Asp Thr Tyr Gln Tyr Asp Asp Gly Cys Glu Ser Cys Gly
96    1               5                   10                  15
98 Asn Asp
101 (2) INFORMATION FOR SEQ ID NO: 3:
103     (i) SEQUENCE CHARACTERISTICS:
104             (A) LENGTH: 71 base pairs
105             (B) TYPE: Nucleic Acid
106             (C) STRANDEDNESS: Single
107             (D) TOPOLOGY: Linear
109     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
112  TATGACGTCT ACCTGGACGT GCAGCAGAAG TGGCATCTGA ATGATGTGAT 50
114 GCTGATGGGC GACTTCAACG C 71
116 (2) INFORMATION FOR SEQ ID NO: 4:
118     (i) SEQUENCE CHARACTERISTICS:
119             (A) LENGTH: 23 amino acids
120             (B) TYPE: Amino Acid
121             (D) TOPOLOGY: Linear
123     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
125  Tyr Asp Val Tyr Leu Asp Val Gln Gln Lys Trp His Leu Asn Asp
126    1               5                   10                  15
128 Val Met Leu Met Gly Asp Phe Asn
129                 20
131 (2) INFORMATION FOR SEQ ID NO: 5:
133     (i) SEQUENCE CHARACTERISTICS:
134             (A) LENGTH: 42 base pairs
135             (B) TYPE: Nucleic Acid
136             (C) STRANDEDNESS: Single
137             (D) TOPOLOGY: Linear
139     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
142  CTGAAGATCG CAGCCTTCAA CATCCAGACA TTTGGGGAGA CC 42
144 (2) INFORMATION FOR SEQ ID NO: 6:
146     (i) SEQUENCE CHARACTERISTICS:
147             (A) LENGTH: 42 base pairs
148             (B) TYPE: Nucleic Acid
149             (C) STRANDEDNESS: Single
150             (D) TOPOLOGY: Linear
```

RAW SEQUENCE LISTING   DATE: 12/20/2001
PATENT APPLICATION: US/10/005,675   TIME: 20:57:11

Input Set : A:\PTO.AMC.txt
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```
152      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
155   TCCGCATGTC CCAGGGCCAC AGGCAGCGTT TCCTGGTAGG AC 42
157 (2) INFORMATION FOR SEQ ID NO: 7:
159      (i) SEQUENCE CHARACTERISTICS:
160          (A) LENGTH: 31 base pairs
161          (B) TYPE: Nucleic Acid
162          (C) STRANDEDNESS: Single
163          (D) TOPOLOGY: Linear
165      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
168   TTGAAGATCG CAGCCTTCAA CATCCAGACA T 31
170 (2) INFORMATION FOR SEQ ID NO: 8:
172      (i) SEQUENCE CHARACTERISTICS:
173          (A) LENGTH: 31 base pairs
174          (B) TYPE: Nucleic Acid
175          (C) STRANDEDNESS: Single
176          (D) TOPOLOGY: Linear
178      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
181   CTGGATGTTG AAGGVTGCGA TCTTCAATGC A 31
183 (2) INFORMATION FOR SEQ ID NO: 9:
185      (i) SEQUENCE CHARACTERISTICS:
186          (A) LENGTH: 42 base pairs
187          (B) TYPE: Nucleic Acid
188          (C) STRANDEDNESS: Single
189          (D) TOPOLOGY: Linear
191      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
194   CTAGAATTAT GTTAAAAATT GCAGCATTTA ATATTCAAAC AT 42
196 (2) INFORMATION FOR SEQ ID NO: 10:
198      (i) SEQUENCE CHARACTERISTICS:
199          (A) LENGTH: 34 base pairs
200          (B) TYPE: Nucleic Acid
201          (C) STRANDEDNESS: Single
202          (D) TOPOLOGY: Linear
204      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
207   TTGAATATTA AATGCTGCAA TTTTTAACAT AATT 34
209 (2) INFORMATION FOR SEQ ID NO: 11:
211      (i) SEQUENCE CHARACTERISTICS:
212          (A) LENGTH: 7 amino acids
213          (B) TYPE: Amino Acid
214          (D) TOPOLOGY: Linear
216      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
218   Met Leu Lys Ile Ala Ala Phe
219     1               5
221 (2) INFORMATION FOR SEQ ID NO: 12:
223      (i) SEQUENCE CHARACTERISTICS:
224          (A) LENGTH: 1039 base pairs
225          (B) TYPE: Nucleic Acid
226          (C) STRANDEDNESS: Double
227          (D) TOPOLOGY: Linear
229      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
```

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\12202001\J005675.raw**

```
232  TCCTGCACAG GCAGTGCCTT GAAGTGCTTC TTCAGAGACC TTTCTTCATA 50
234  GACTACTTTT TTTTCTTTAA GCAGCAAAAG GAGAAAATTG TCATCAAAGG 100
236  ATATTCCAGA TTCTTGACAG CATTCTCGTC ATCTCTGAGG ACATCACCAT 150
238  CATCTCAGGA TGAGGGGCAT GAAGCTGCTG GGGGCGCTGC TGGCACTGGC 200
240  GGCCCTACTG CAGGGGGCCG TGTCCCTGAA GATCGCAGCC TTCAACATCC 250
242  AGACATTTGG GGAGACCAAG ATGTCCAATG CCACCCTCGT CAGCTACATT 300
244  GTGCAGATCC TGAGCCGCTA TGACATCGCC CTGGTCCAGG AGGTCAGAGA 350
246  CAGCCACCTG ACTGCCGTGG GGAAGCTGCT GGACAACCTC AATCAGGATG 400
248  CACCAGACAC CTATCACTAC GTGGTCAGTG AGCCACTGGG ACGGAACAGC 450
250  TATAAGGAGC GCTACCTGTT CGTGTACAGG CCTGACCAGG TGTCTGCGGT 500
252  GGACAGCTAC TACTACGATG ATGGCTGCGA GCCCTGCGGG AACGACACCT 550
254  TCAACCGAGA GCCAGCCATT GTCAGGTTCT TCTCCCGGTT CACAGAGGTC 600
256  AGGGAGTTTG CCATTGTTCC CCTGCATGCG GCCCCGGGGG ACGCAGTAGC 650
258  CGAGATCGAC GCTCTCTATG ACGTCTACCT GGATGTCCAA GAGAAATGGG 700
260  GCTTGGAGGA CGTCATGTTG ATGGGCGACT TCAATGCGGG CTGCAGCTAT 750
262  GTGAGACCCT CCCAGTGGTC ATCCATCCGC CTGTGGACAA GCCCCACCTT 800
264  CCAGTGGCTG ATCCCCGACA GCGCTGACAC CACAGCTACA CCCACGCACT 850
266  GTGCCTATGA CAGGATCGTG GTTGCAGGGA TGCTGCTCCG AGGCGCCGTT 900
268  GTTCCCGACT CGGCTCTTCC CTTTAACTTC CAGGCTGCCT ATGGCCTGAG 950
270  TGACCAACTG GCCCAAGCCA TCAGTGACCA CTATCCAGTG GAGGTGATGC 1000
272  TGAAGTGAGC AGCCCCTCCC CACACCAGTT GAACTGCAG 1039
274  (2) INFORMATION FOR SEQ ID NO: 13:
276        (i) SEQUENCE CHARACTERISTICS:
277            (A) LENGTH: 341 amino acids
278            (B) TYPE: Amino Acid
279            (D) TOPOLOGY: Linear
281      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
283  Ser Cys Thr Gly Ser Ala Leu Lys Cys Phe Phe Arg Asp Leu Ser
284   1               5                  10                  15
286  Ser Thr Thr Phe Phe Ser Leu Ser Ser Lys Arg Arg Lys Leu Ser
287                  20                  25                  30
289  Ser Lys Asp Ile Pro Asp Ser Gln His Ser Arg His Leu Gly His
290                  35                  40                  45
292  His His His Leu Arg Met Arg Gly Met Lys Leu Leu Gly Ala Leu
293                  50                  55                  60
295  Leu Ala Leu Ala Ala Leu Leu Gln Gly Ala Val Ser Leu Lys Ile
296                  65                  70                  75
298  Ala Ala Phe Asn Ile Gln Thr Phe Gly Glu Thr Lys Met Ser Asn
299                  80                  85                  90
301  Ala Thr Leu Val Ser Tyr Ile Val Gln Ile Leu Ser Arg Tyr Asp
302                  95                 100                 105
304  Ile Ala Leu Val Gln Glu Val Arg Asp Ser His Leu Thr Ala Val
305                 110                 115                 120
307  Gly Lys Leu Leu Asp Asn Leu Asn Gln Asp Ala Pro Asp Thr Tyr
308                 125                 130                 135
310  His Tyr Val Val Ser Glu Pro Leu Gly Arg Asn Ser Tyr Lys Glu
311                 140                 145                 150
313  Arg Tyr Leu Phe Val Tyr Arg Pro Asp Gln Val Ser Ala Val Asp
314                 155                 160                 165
```

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\12202001\J005675.raw

```
316  Ser Tyr Tyr Tyr Asp Asp Gly Cys Glu Pro Cys Gly Asn Asp Thr
317              170             175             180
319  Phe Asn Arg Glu Pro Ala Ile Val Arg Phe Phe Ser Arg Phe Thr
320              185             190             195
322  Glu Val Arg Glu Phe Ala Ile Val Pro Leu His Ala Ala Pro Gly
323              200             205             210
325  Asp Ala Val Ala Glu Ile Asp Ala Leu Tyr Asp Val Tyr Leu Asp
326              215             220             225
328  Val Gln Glu Lys Trp Gly Leu Glu Asp Val Met Leu Met Gly Asp
329              230             235             240
331  Phe Asn Ala Gly Cys Ser Tyr Val Arg Pro Ser Gln Trp Ser Ser
332              245             250             255
334  Ile Arg Leu Trp Thr Ser Pro Thr Phe Gln Trp Leu Ile Pro Asp
335              260             265             270
337  Ser Ala Asp Thr Thr Ala Thr Pro Thr His Cys Ala Tyr Asp Arg
338              275             280             285
340  Ile Val Val Ala Gly Met Leu Leu Arg Gly Ala Val Val Pro Asp
341              290             295             300
343  Ser Ala Leu Pro Phe Asn Phe Gln Ala Ala Tyr Gly Leu Ser Asp
344              305             310             315
346  Gln Leu Ala Gln Ala Ile Ser Asp His Tyr Pro Val Glu Val Met
347              320             325             330
349  Leu Lys Ala Ala Pro Pro His Thr Ser Thr Ala
350              335             340
352  (2) INFORMATION FOR SEQ ID NO: 14:
354      (i) SEQUENCE CHARACTERISTICS:
355           (A) LENGTH: 260 amino acids
356           (B) TYPE: Amino Acid
357           (D) TOPOLOGY: Linear
359      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
361  Leu Lys Ile Ala Ala Phe Asn Ile Gln Thr Phe Gly Glu Thr Lys
362    1           5               10              15
364  Met Ser Asn Ala Thr Leu Val Ser Tyr Ile Val Gln Ile Leu Ser
365              20              25              30
367  Arg Tyr Asp Ile Ala Leu Val Gln Glu Val Arg Asp Ser His Leu
368              35              40              45
370  Thr Ala Val Gly Lys Leu Leu Asp Asn Leu Asn Gln Asp Ala Pro
371              50              55              60
373  Asp Thr Tyr His Tyr Val Val Ser Glu Pro Leu Gly Arg Asn Ser
374              65              70              75
376  Tyr Lys Glu Arg Tyr Leu Phe Val Tyr Arg Pro Asp Gln Val Ser
377              80              85              90
379  Ala Val Asp Ser Tyr Tyr Tyr Asp Asp Gly Cys Glu Pro Cys Gly
380              95              100             105
382  Asn Asp Thr Phe Asn Arg Glu Pro Ala Ile Val Arg Phe Phe Ser
383              110             115             120
385  Arg Phe Thr Glu Val Arg Glu Phe Ala Ile Val Pro Leu His Ala
386              125             130             135
388  Ala Pro Gly Asp Ala Val Ala Glu Ile Asp Ala Leu Tyr Asp Val
```

VERIFICATION SUMMARY   DATE: 12/20/2001
PATENT APPLICATION: US/10/005,675   TIME: 20:57:12

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\12202001\J005675.raw**

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]